

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 03-200889

(43)Date of publication of application : 02.09.1991

(51)Int.Cl.

C09K 11/06

H05B 33/14

(21)Application number : 02-049796

(71)Applicant : RICOH CO LTD

(22)Date of filing : 28.02.1990

(72)Inventor : OTA MASABUMI
ONUMA TERUYUKI
KAWAMURA FUMIO
SAKON HIROTA
TAKAHASHI TOSHIHIKO

(30)Priority

Priority number : 01168826
01168827Priority date : 30.06.1989
30.06.1989Priority country : JP
JP

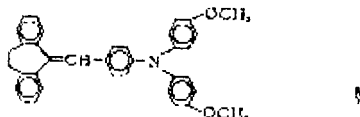
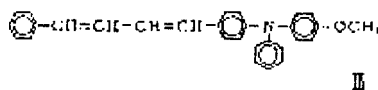
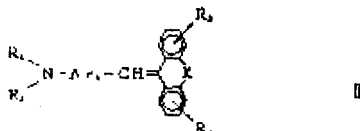
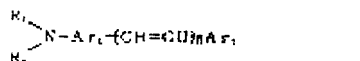
(54) ELECTROLUMINESCENT ELEMENT

(57)Abstract:

PURPOSE: To obtain an electroluminescent element capable of giving luminescence with high luminance over a long period of time even with a low driving voltage by putting an organic compound layer consisting of a specified luminescent material between an anode and a cathode.

CONSTITUTION: A luminescent material shown by formula I (wherein R1 and R2 are each alkyl, a carbocyclic aromatic ring, a heterocyclic aromatic rings, etc.; Ar1 and Ar2 are each a carbocyclic aromatic ring, a heterocyclic aromatic ring, etc.; and (n) is 1, 2 or 3) or formula II (wherein X is CH2CH2, CH=CH, O, S, etc.; R1, R2, R3, and R4 are each alkyl, a carbocyclic aromatic ring, a heterocyclic aromatic ring, etc.; Ar1 is a carbocyclic aromatic ring, a heterocyclic aromatic ring, etc.) (e.g. a compound of formula III or IV) is prepared.

An organic compound layer consisting of the luminescent material, if necessary, laminated on an organic compound layer containing other organic compound is put between an anode and a cathode, thus producing an electroluminescent element.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision
of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]